

Crop Genebank Knowledge Base

Update 4 – October 2011

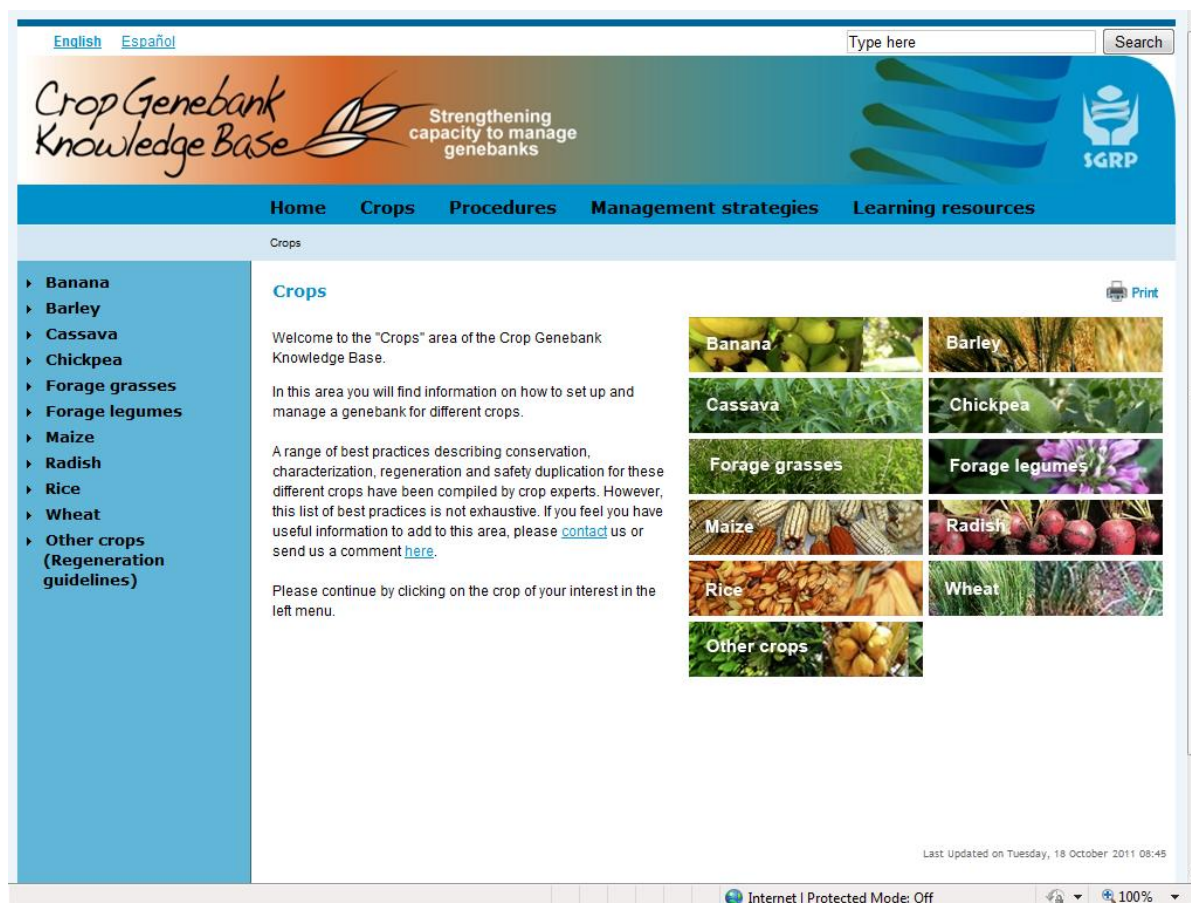
Topics:

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1. Release of radish best practices

The new best practice guide for Radish that has been under development for the past several months is now available to all users of the CGKB. It is the first crop that has been added to the crop section after the launch of the web site. We wish to thank the Chinese Academy of Agricultural Science (CAAS) for the financial support of Qiu Yang's secondment as visiting research fellow for three months to Bioversity International, during which the main compilation work was carried out. Qiu Yang is a radish researcher at the Institute of Vegetables and Flowers at CAAS in Beijing, China. Bioversity provided the resources to coordinate the whole process of compilation, development and publication of the best practices.

It will be good to see this crop section grow further in the near future. If you, or people you know are interested in contributing best practices we invite you download the template from the web site at http://cropgenebank.sgrp.cgiar.org/index.php?option=com_jforms&view=form&id=2&Itemid=551&lang=english or get in touch with the CGKB team.



The screenshot displays the Crop Genebank Knowledge Base website. The header includes the site's logo, the tagline "Strengthening capacity to manage genebanks", and the SGRP logo. A navigation menu lists "Home", "Crops", "Procedures", "Management strategies", and "Learning resources". The "Crops" section is active, showing a list of crops in a left-hand menu: Banana, Barley, Cassava, Chickpea, Forage grasses, Forage legumes, Maize, Radish, Rice, Wheat, and Other crops (Regeneration guidelines). The main content area for "Crops" contains a welcome message and instructions on how to use the section. A grid of crop images is displayed on the right, with labels for Banana, Barley, Cassava, Chickpea, Forage grasses, Forage legumes, Maize, Radish, Rice, Wheat, and Other crops. The footer indicates the page was last updated on Tuesday, 18 October 2011 08:45.

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2. New pages in Procedures: Collecting



In the section 'Procedures we have added a new menu item "collecting" in the left hand menu which will lead you to the pages on collecting plant genetic resources. These pages are still under development, but we wish to bring this addition already now to your attention.

In 1995, Bioversity International, (then the International Plant Genetic Resources Institute-IPGRI), in association with FAO, IUCN and UNEP, published "Collecting Plant Genetic Diversity; Technical Guidelines." The Collecting Manual, as it came to be known, covers all the steps in collecting from planning, to procedures in the field, to seed processing and reporting on the results of the expedition. Fifteen years have passed since its publication. While the Collecting Manual is still considered to be a key reference, new knowledge, methodologies and technologies have since been developed that are having an impact on collecting plant germplasm. Furthermore, the policy environment has evolved nationally and globally and new legal agreements and policies have been developed which affect access to and exchange of germplasm.

In 2011, two of the original editors, Luigi Guarino and V. Ramanatha Rao, joined forces with Bioversity and 40 international experts to summarize these new developments in the field of collecting plant genetic diversity and there is no better home for these updates than the CGKB.

CAB International has generously given permission for the chapters from the original 1995 version of the Collecting Manual to be accessed online alongside the updates. You can browse the first 12 of 30 chapters that are already online. The editors invite comments and new information which can be provided using either the Comments feature or by using the template provided for adding new content.

English Español

Crop Genebank Knowledge Base  Strengthening capacity to manage genebanks 

Home Crops Procedures Management strategies Learning resources

Procedures ▶ Collecting

- ▶ **Collecting**
- ▶ Registration
- ▶ Sample processing
- ▶ Germplasm testing
- ▶ Conservation
- ▶ Characterization
- ▶ Regeneration
- ▶ Distribution
- ▶ Safety duplication
- ▶ Equipment/supplies

Collecting Plant Genetic Diversity

****This page is still under development****


Acknowledgements: Bioversity would like to thank the following persons for their generous contributions to this 2011 update. Luigi Guarino and V. Ramanatha Rao for their role as scientific editors and peer reviewers; Elizabeth Goldberg, production manager and editor; Kathleen Sheridan, copy editor; Imke Thormann and Geert Claessens, web editors; Vanessa Alam, documentation; 40 authors from 26 organizations (see authors in chapters at links below). Bioversity provides a very special thanks to CABI for generously allowing the original chapters to be accessed online, together with the update on this portal.

The editors invite your **comments** on the Collecting Procedures pages by using the Comments feature at the bottom of this page or at the bottom of each of the chapters. If you wish to contribute **new content**, references or internet resources on the subject please do so using the link provided [here](#) or at the foot of any of the chapters.

[Introduction](#)
[List of updated chapters](#)
[References and further reading](#)

Introduction

In 1995, Bioversity International, (then the International Plant Genetic Resources Institute-IPGRI), in association with FAO, IUCN and UNEP, published "Collecting Plant Genetic Diversity; Technical Guidelines." The intent of this volume was to develop a comprehensive reference work that would provide the prospective collector of plant germplasm with generic as well as specific, and theoretical as well as practical, information. The Collecting Manual, as it came to be known, covers all the steps in collecting from planning, to procedures in the field, to seed processing and reporting on the results of the expedition. The book was aimed at both new and experienced collectors, as well as people with a more general interest in plant genetics, plant breeding



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3. Miscellaneous

Spanish translation and upload: The translation of the web site is nearly completed and upload of the Spanish pages is progressing. The CGKB team is extremely thankful to CIMMYT who has started the upload of the Spanish text and now CIP who is continuing it.

CGKB Poster at EUCARPIA meeting: The genetic resources section of EUCARPIA held its 20th meeting as the European Plant Genetic Resources Conference 2011 in Wageningen, The Netherlands April 5-7, 2011 (see http://www.epgrc2011.nl/EPGRC2011_program.html). Bioversity participants presented a poster of the CGKB and included it into the presentation on standards and best practices for genebank management. <http://www.epgrc2011.nl/docs/5-1430-Dulloo.pdf> .

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4. Focal points

The CGKB team will be grateful if focal points communicate changes in their email addresses, if they move to different organizations, and also inform the team if they cannot act anymore as focal point, possibly suggesting a person who could take over that function.



The screenshot shows a web browser window displaying the 'Contacts for management strategies' page on the Crop Genebank Knowledge Base website. The page features a navigation menu with options like Home, Crops, Procedures, Management strategies, and Learning resources. A sidebar on the left contains a list of site sections, including 'About this site', 'Contributors', 'Copyright', 'Contacts', 'Crops', 'Procedures', 'Management strategies', 'Learning resources', 'Send us your practices', and 'Other languages'. The main content area is titled 'Contacts for management strategies' and includes a sub-header 'Select below the person to contact if you need more information about the different management strategies and principles.' Below this, there is a table with two columns: 'Name' and 'Contact person for'. The table lists various individuals and their associated roles or areas of expertise.

Name	Contact person for
Hari D Upadhyaya (ICRISAT)	Characterization standards
Daniela Horna (IFPRI)	Decision support tool
Jessica Rey (IRRI)	Genetic integrity
Dave Ellis (USDA)	Genetic stocks
Nicolas Roux (Bioversity)	Genetic stocks
Michael Hermann (Crops for the future)	Neglected and underutilized species
Fen Beed (IITA)	Non-plant taxa
Victoria Henson-Apollonio	Performance indicators
Melissa Wood (Global Crop Diversity Trust)	Performance indicators
Michael Halewood (Bioversity)	Policies and legal arrangements
Jean Hanson (ILRI)	Quality management
Gabriel Romero (PhilRice)	Risk management
Etienne Duveiller (CIMMYT)	Safe transfer of germplasm
Ian Barker (CIP)	Safe transfer of clonal germplasm

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